



## **K.S.R. COLLEGE OF ENGINEERING**

(Autonomous)

(Accredited by NAAC with 'A' Grade, NBA; Approved by  
AICTE, New Delhi; Affiliated to Anna University, Chennai  
and ISO 9001:2008 Certified Institution)

**K.S.R. Kalvi Nagar, Tiruchengode, Namakkal**

**DT- 637 215, Tamil Nadu**

**ORGANIZED BY**


**DEPARTMENT OF COMPUTER APPLICATIONS (MCA)**

**NATIONAL CONFERENCE**

**ACADEMIC YEAR: 2018-2019**

**TITLE: RECENT INNOVATIONS IN SOFTWARE  
ENGINEERING EICA-19**

**6<sup>th</sup> MARCH 2019**

  
Head of the Department  
Department of Computer Applications  
K.S.R. College of Engineering  
Tiruchengode - 637 215




  
PRINCIPAL  
K.S.R. COLLEGE OF ENGINEERING  
K.S.R. KALVI NAGAR  
TIRUCHENGODE-637 215



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**EVENT SCHEDULE**

1	<b>Name of the Event (Seminar/Workshop/Conference /FDP/Any other)</b>	Conference
2	<b>Name of the Department</b>	Master of Computer Applications(MCA)
3	<b>Date of Event</b>	06-03-2019
4	<b>Venue of the Event</b>	MCA Seminar Hall
5	<b>Title of the Event</b>	Recent innovations in Software Engineering EICA-19
6	<b>Name of the Co-ordinator</b>	Mr.S.Tamilselvan, Assistant Professor, Department of MCA, K.S.R College of Engineering
7	<b>Total Participants</b>	14
8	<b>Objectives of the Event</b>	To make student, faculty & research scholar aware of, <ul style="list-style-type: none"> <li>• The role plays of technology in Testing.</li> <li>• How Software Engineering helps in Testing.</li> </ul>
9	<b>Outcome of the Event</b>	To be successful completion of the event the participants have gained knowledge about innovations in Software Engineering

  
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**11<sup>th</sup> National Conference on Emerging Issues in Computer Applications for  
“Recent innovations in Software Engineering” EICA – 19  
DEPARTMENT OF COMPUTER APPLICATIONS (MCA)  
Academic Year : 2018 -2019  
Date : 06-03- 2019**

**Profile of the Resource Person**

**Dr. G. R. Karpagam** is a Professor and Associate Head with 25 years of experience in Department of Computer Science and Engineering at PSG College of Technology. Karpagam received her Bachelors, Masters and PhD degree in Computer Science and Engineering. She was a Lecturer (1997-2004), Assistant Professor (2004-2009) and Professor (2009-Till date) at PSG College of Technology. Her research interest is in areas related to Block chain, Artificial Intelligence, Machine Learning, Service Oriented Architecture, MDA, Security and Cloud Computing. She is a Senior IEEE member (90583493) and Vice Chair ACM (1430746) in local Chapter, a recipient of PSG & Sons Teacher of the Year Award. Karpagam is married to Dr.R.Manavalan. Manavalan and Karpagam have a son Keerthivasan Pursuing his Bachelor's degree in Electronics and Communication Engineering.

  
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DEPARTMENT OF COMPUTER APPLICATIONS (MCA)  
Academic Year : 2018 -2019  
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**REPORT**

On behalf of Master of Computer Applications(MCA), K.S.R. College of Engineering, we wish to express our sincere thanks to our Management for sanctioned the national Conference on Emerging Issues in Computer Applications for “Recent innovations in Software Engineering”, EICA – 19 held on 6th March 2019. With the help of such kind of Conference programs, we can enhance the Technical Knowledge as well as Social awareness of faculty members and students community. This Conference aims to provide opportunities to faculty members, to enrich their technical knowledge and research in the field of innovations in Software Engineering.

The Conference was started with inaugural function and inaugural address was delivered by the Chief Guest Dr.G.R.Karpagam, Professor, PSG College of Technology, Coimbatore in the presence of Dr.P.Senthilkumar, Principal, Heads of various departments, Faculty members. This Session was started after inaugural function and each session was presented by well qualified Faculty members, Research Scholars, Students and some other college Participants to present a Paper in the conference.

*[Signature]*  
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Department of Computer Applications  
K.S.R. College of Engineering  
Tiruchengode - 637 215



*[Signature]*  
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**Recent innovations in Software Engineering**

**EICA – 19 on 6<sup>th</sup> March 2019**



  
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**Recent innovations in Software Engineering**

**EICA – 19 on 6<sup>th</sup> March 2019**



*[Signature]*  
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Department of Computer Applications  
K.S.R. College of Engineering  
Tiruchengode - 637 215



*[Signature]*  
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K.S.R. COLLEGE OF ENGINEERING  
K.S.R. KALVI NAGAR,  
TIRUCHENGODE-637 215

**11<sup>th</sup> National Conference  
on Emerging Issues in  
Computer Applications for**

**"Recent Innovations in  
Software Engineering"**

**(RISE)**

**EICA - '19**

**06<sup>TH</sup> MARCH 2019**



**Organizing By**

**Department of M.C.A**

**K. S. R. COLLEGE OF ENGINEERING,  
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(ISO 9001: 2008 certified, NAAC Accredited institution &  
Affiliated to Anna University, Chennai)

**K.S.R. KALVI NAGAR  
TIRUCHENGODE-637 215  
NAMAKKAL(D.T)  
TAMIL NADU  
INDIA**

**Head of the Department  
Department of Computer Applications  
K.S.R. College of Engineering  
Tiruchengode - 637 215**

**REGISTRATION FEE**

Participants are requested to send the duly filled-in registration form along with the prescribed fee by demand draft drawn in favor of:

**"THE PRINCIPAL, K.S.R. COLLEGE OF  
ENGINEERING", payable at TIRUCHENGODE"**  
Cancellation of Registration is not permitted.

Industrialists : Rs. 500/-  
Academicians, Scientist  
Research Scholar, UG/PG Students : Rs. 300/-

**ACCOMMODATION**

Erode and Tiruchengode has a number of hotels with tariff ranging from Rs. 500/- to Rs. 3500/-. Those who need hotel accommodation may request organizers well in advance

**ADDRESS FOR CORRESPONDENCE**

**The Convener - HOD  
Department of Computer Applications,  
K.S.R. College of Engineering,  
Tiruchengode-637 215  
Namakkal District, Tamil Nadu, India.**

**Phone: 04288 - 274741 (Ext. 3001)**

**Call @ : + 91 9994354545  
+ 91 9865903282**

**Fax : 04288 - 2747 57**

**Email : mcaeica19@gmail.com**

**Website : [www.ksrce.ac.in](http://www.ksrce.ac.in)**



**ORGANIZING COMMITTEE**

**Chief Patron : Dr.K.S.Rangasamy, MJF  
Chairman  
: Mr. R. Srinivasan  
Vice Chairman**

**Patron : Dr. P.Senthilkumar  
Principal**

**Convener : Dr. P.Anitha  
Prof & Head / MCA**

**Coordinator : Mr. S.Tamilselvan,  
Assistant Professor/MCA**

**TECHNICAL COMMITTEE**

1. Dr. Basim Alhadidi, Professor / CSE, AlBalqa' Applied University, Jordan.
2. Dr.C.Chandrasekar, Professor / Computer Science, Periyar University, Salem.
3. Dr. Mohd. Nazri Ismail, Professor / System & Networking Department, University of Kuala Lumpur, Malaysia.
4. Dr. Sridhar Krishnan, Professor / Chair, Department of Electrical and Computer Engineering Ryerson University, Canada.
5. Dr. V. Sadasivani, Professor & Head (Rtd.), Department of Computer Science, M.S. University, Tirunelveli.
7. Dr. C. Kavitha, Assistant Professor, Department of Computer Science, Thiruvalluvar Govt Arts & Science College, Rasipuram.
8. Dr. Kadhar Nawaz, Director/MCA, Sona College of Technology, Salem.
9. Dr.G.Chandrasekaran, Director/MCA, MEPCO Engineering College, Sivakasi.
10. Dr. G.R. Karpagam, Professor/CSE, PSG College of Technology, Coimbatore.
11. Dr. A.Subramani, Assistant Professor, Department of Computer Science, MVM Government Arts College for Women, Dindigul.

**CONFERENCE THEME**

The conference aims to provide an energetic environment by bringing together Researchers, Academicians, and Scientists from Computer Applications and related engineering fields for presenting their innovative original work in the area of Mathematical model, Computer Networks and Simulations, Internet & Web Services, Advanced Database Technology, Soft Computing and Software Engineering etc.

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TIRUCHENGODE - 637-215**



#### ABOUT THE INSTITUTION

K.S.R College of Engineering (KSRC) was established in the year 2001 by the Aarthi Educational and charitable trust, approved by AICTE, New Delhi and Affiliated to Anna University of Technology Coimbatore. This college is an ISO 9001 - 2008 certified institution and offers seven UG programmes and eleven PG programmes.

The college is situated on the Erode-Tiruchengode state Highway 8 km from Tiruchengode and 12 Km from Erode Railway Junction. The nearest airport, Salem 60 Km away and Coimbatore airport is about 112 Km. The college is located in a sprawling campus of about 350 acres in the serene, cool shades of coconut tree among the 15 K.S.R Group of Institutions. The college has excellent infrastructure, well-equipped laboratories, computerized library with online subscription to many internationally reputed journals and other general amenities.

There are abundant numbers of latest computer system with advanced software. It is a leading multi professional and research oriented institution run by a devoted and committed educational trust, the Aarthi Educational and Charitable Trust. This institution is situated in a 30 acre coconut planted greenish land and is at the southern part of India.

K.S.R. College of Engineering was founded by the noted philanthropist and educationalist 'KALAVITHANTHAI' Lion Dr. K.S.Rangasamy MJF. The college was started with a strong commitment to produce high quality engineers, technocrats and entrepreneurs.

#### ABOUT THE DEPARTMENT

The department was started in 2003 and it has grown excellently in academic and research work. It is accredited by National Assessment and Accreditation Council (NAAC - A), UGC. At present the department offers three years Master of Computer Applications with annual intake of 60 Students. It offers an outstanding opportunity for budding professional to polish their skills and outperform their competitors. The faculties of the department have over 190 publications in referred Journals and Conferences. The department is equipped with state of the art computing and internet facilities (8 Mbps) and supported by experienced and well-qualified faculty members. The department bears 78 University Ranks including First Rank in Anna University of Technology Coimbatore. The department has maintain an active interaction with the industries and Professional bodies particularly with the computer society of India, IEEE and ISTE. More than 80% of the students have been placed in reputed IT companies through Placement Cell.

Head of the Department  
Department of Computer Applications  
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#### The topics and areas include, but not limited to

- Artificial Intelligence
- Cloud Computing
- Mobile Computing
- Grid Computing
- Computer Networks & Network Security
- Cryptography & Wireless Sensor Networks
- ADHOC Networks
- Mobile Security
- Pattern Recognition & Image Processing
- Fuzzy Logic & Neural Networks
- Software Engineering
- Data Mining and Warehousing
- Optical Networks
- Genetic Algorithms
- Bio informatics
- Federated Databases, Big Data
- Nanotechnology
- Virtual Reality
- Software Agents & Metrics
- Software Testing & Architecture
- E-Governance & E-Commerce
- Stenography and Watermarking
- Mobile & Wireless Computing
- Parallel Processing
- Web Technologies
- Big Data and Analytics

#### IMPORTANT DATES

Intimation of Accepted Papers by Email	13.02.2019
Submission of Full Paper	20.02.2019
Last date for Receipt of Registration	25.02.2019
Conference Date	06.03.2019

#### PAPER SUBMISSION & GUIDELINES

Authors are requested to submit two hard copies of their original research work (full paper using MS-WORD) in double column as per IEEE format limited to 5 pages with soft copy in CD. Full paper should be sent to the email id: [mcaeica19@gmail.com](mailto:mcaeica19@gmail.com). For each paper to be presented in the conference and published in the proceedings in CD format, at least one author of the accepted paper has to register for participation.

#### REGISTRATION FORM

EICA - 19

**"RISE"**

(PLEASE FILL IN CAPITALS)

Name :  
Qualification :  
Mobile & E-Mail :  
Designation :  
Academicians/Industrial/Student/Research Scholars :  
Department :  
Organization :  
Communication Address :

#### Registration Fee Details:

Amount (Rs.) : \_\_\_\_\_

DD Number : \_\_\_\_\_ Date: \_\_\_\_\_

Drawn on Bank : \_\_\_\_\_

Branch: \_\_\_\_\_

Date : \_\_\_\_\_

Signature of Participant

If forwarded through the Head of Institution that the applicant is sponsored/permitted to attend the above conference.

College Seal

Signature of the  
Head of the Institution

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# K.S.R. COLLEGE OF ENGINEERING

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## DEPARTMENT OF COMPUTER APPLICATIONS (MCA)

### OFFICE BEARERS

#### CHIEF PATRON

Lion Dr.K.S.Rangasamy,MJF,  
Founder- Chairman

Mr. R. Srinivasan,B.B.M.,  
Vice – Chairman

#### PATRON

Dr.P.Senthilkumar, Principal

#### CONVENER

Dr.P.Anitha, Professor and Head

#### CO-ORDINATOR

Mr.S.Tamilselvan, Asst.Professor

#### FACULTY MEMBERS

Dr.M.Vijayakumar, Professor  
Dr.S.Sutha, Asst. Professor  
Mr.V.M.Navaneethakumar, Asst. Professor  
Mr.R.Mohankumar, Asst. Professor  
Mr.N.Prakash, Asst. Professor  
Mr.C.A.Kandasamy, Asst. Professor

## INVITATION

We cordially invite you all for the

ISTE Sponsored

11<sup>th</sup> National Conference on

“Research Issues in Software Engineering (RISE)”

## EICA'19

### CHIEF PATRON

**Lion Dr.K.S.Rangasamy,MJF**

Founder - Chairman, K.S.R. Group of Institutions  
Has kindly consented to deliver the presidential address

**Mr.R.Srinivasan,B.B.M.,**

Vice-Chairman, K.S.R. Group of Institutions  
Has kindly consented to deliver the secretarial address

**Dr.P.Senthilkumar**

Principal, K.S.R. College of Engineering  
Has kindly consented to preside over the function

### CHIEF GUEST

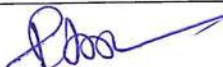
**Dr.G.R.Karpagam**

Professor,  
PSG College of Technology,  
Coimbatore.

On

06.03.2019, Wednesday

Venue : MCA Seminar Hall  
Time : 10.00 am

  
Head of the Department  
Department of Computer Applications,  
K.S.R. College of Engineering  
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## AGENDA

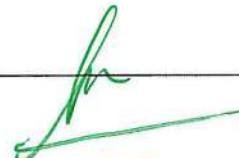


- Prayer song : MCA Students.
- Welcome Address : Dr.P.Anitha,  
*Professor and Head.*
- Presidential Address : Lion Dr.K.S.Rangasamy, MJF,  
*Founder - Chairman,*  
*K.S.R. Educational Institutions.*
- Secretarial Address : Mr.R.Srinivasan, B.B.M.,  
*Vice - Chairman,*  
*K.S.R. Educational Institutions.*
- Principal Address : Dr.P.Senthilkumar,  
*Principal, K.S.R. College of Engineering.*
- Inaugural Address : Dr.G.R.Karpagam,  
*Professor,*  
*PSG College of Technology, Coimbatore..*
- Vote of Thanks : Mr.S.Tamilselvan,  
*Assistant Professor.*
- National Anthem : MCA Students.

*We Cordially Invite you All*

  
**Head of the Department**  
**Department of Computer Applications**  
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**Tiruchengode - 637 215**



  
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## Department of Computer Applications 11th National Conference -EICA'19

S.NO	PAPER ID	Category	NAME 1	NAME 2	PAPER TITLE	Email - id	College Name
1	EICA 19-001	STAFF	Dr.K.K.SAVITHA	-	APPLICATIONS OF INTERNET OF EVERYTHING AND ITS RELATED ISSUES	savitha.gopinath@gmail.com	Bharathiar University PG Extension and
2	EICA 19-002	STAFF	Ms. S.KALAIYAI	-	TIDY CONFERENCE SCHEDULER APPS	kalaishenni96@gmail.com	Kailash women's College,Nangavalli.
3	EICA 19-003	STAFF	Ms.T.JEEVA	-	CLOUD ARMOR: SUPPORTING REPUTATION BASED-TRUST MANAGEMENT FOR CLOUD SERVICES	jeeva211991@gmail.com	Kailash women's College,Nangavalli.
4	EICA 19-004	STAFF	K.NITHYA	D.Anusuya, R.Anandhasree	Dengue Disease Prediction Using SMO Classification	knithya89@gmail.com	NANDHA COLLEGE OF TECHNOLOGY
5	EICA 19-005	STAFF	C.R.Dhivyaa	C.S. Manjukarthika	REVERSIBLE DATA HIDING WRAPPER APPROACH FOR ENCRYPTED IMAGE BEFORE RESERVING ROOT	knithya89@gmail.com	NANDHA COLLEGE OF TECHNOLOGY
6	EICA 19-006	STAFF	Mr.J.Sam Suresh	Ms. D.Dimma, Ms.G.Maheswar i, Mr.C.Gowtham	ENHANCED SECURITY, TRACKING & MONITORING SYSTEM FOR SCHOOL CHILDREN	jss.ece@builderscolleg	ERODE BUILDERS COLLEGE
7	EICA 19-007	STUDENT	KEERTHANA.M	B.Kamalakannan	BRAIN CONTROLLED CARS FOR DISABLED BY USING ARTIFICIAL INTELLIGENCE	keerthanadms@gmail.com , bharathip23801@gmail.com	NANDHA COLLEGE OF TECHNOLOGY
8	EICA 19-008	STAFF	P PREMA		A Study on Testing Mobile Applications	mrgprem@gmail.com	Thiruvannur University Constituent Arts and
9	EICA 19-009	STAFF	P.Sathya		Knowledge Discovery in Data Mining		KSR COLLEGE OF ARTS AND SCIENCE FOR
10	EICA 19-010	STUDENT	K. Boopathi	K. Gopalakrishnan / AP	Resource Monitoring and Behaviour Analysis in Sales and Business Sector	kuttypravin75@gmail.com , ashokkumarkalyanimari@gmail.com	NANDHA COLLEGE OF TECHNOLOGY
11	EICA 19-011	STUDENT	Harini.R , Kaviya.	Suresh Kumar.V.S	Frequent Pattern Complex query management using FIUT Approach	raji6798777@gmail.com	NANDHA COLLEGE OF TECHNOLOGY
12	EICA 19-012	STUDENT	M. Aparna, M.San	S. Thiruvenkata samy	Fine-Grained Two-Factor Access-On Cloud Deployment	santhoshpro05@gmail.com	NANDHA COLLEGE OF TECHNOLOGY
13	EICA 19-013	STUDENT	K.T.Aishwarya	Dr S.Nandagopal	MULTIDIMENSIONAL SCALING AIDED CLONE DETECTION IN WIRELESS SENSOR NETWORK	kanshwaraya98@gmail.com , kokhilaprabha@gmail.com	NANDHA COLLEGE OF TECHNOLOGY
14	EICA 19-014	STUDENT	B. Kamalakannan	P. Mohan, A. P. Gopu	Energy- Efficient Selective Routing Protocols for Wireless Sensor Network	kamalbalu02@gmail.com	NANDHA COLLEGE OF TECHNOLOGY

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K.S.R. Kalvi Nagar, Tiruchengode-637 215, Tamilnadu.

Department of Computer Applications (MCA)

ISTE-Sponsored 11<sup>th</sup> National Conference on Emerging Issues in Computer Applications  
for

"Research Issues in Software Engineering (RISE)"

EICA-19

This is to certify that Mr. / Ms. / Dr. MAHESWARI, G. of

ERODE BUILDERS COLLEGE

has participated / presented a paper


ENHANCED SECURITY, TRACKING AND MONITORING SYSTEM FOR SCHOOL CHILDREN

at the National Conference titled

"Research Issues in Software Engineering(RISE)", EICA 19 on 6<sup>th</sup> March 2019.

  
Convener  
(Dr. P. Anitha)

  
Principal  
(Dr. P. Senthilkumar)

  
Head of the Department  
Department of Computer Applications  
K.S.R. College of Engineering  
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DEPARTMENT OF COMPUTER APPLICATIONS  
11<sup>th</sup> National Conference on Emerging Issues in Computer  
Applications for



**"Recent Innovations in  
Software Engineering"**

**EICA - 19 on 06<sup>th</sup> March 2019**

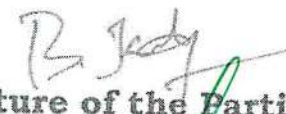
**FEEDBACK**

Name : B. Kamalakannan  
College Name : Nandha college of Technology  
Communication : ☐ Very good ☒ Good ☐ Average  
Registration : ☐ Very good ☒ Good ☐ Average  
Hall Arrangements: ☐ Very good ☒ Good ☐ Average  
Food : ☐ Very good ☒ Good ☐ Average  
Refreshment : ☐ Very good ☒ Good ☐ Average  
Hospitality : ☐ Very good ☒ Good ☐ Average

Comments: NO COMMENTS

  
Head of the Department  
Department of Computer Applications  
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Signature of the Participant

  
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